

Den Braven Sealants bv

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SAFETY DATA SHEET

Zwaluw MEK Cleaner

Reference : 7.81
Grade : M.E.K.
Date : 15-11-2002
Replaces : previous sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name : Zwaluw MEK Cleaner
Use of the product : Cleansing agent, degreaser.
Supplier : See above
Emergency phone number : +31 (0) 413-268716 if no answer +31 (0) 161-451909 (after working hours)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization : Ethyl methyl ketone

<u>Hazardous ingredients =1% and toxic ingredients = 0.1%</u>	<u>CAS Number</u>	<u>Einecs Number</u>	<u>Weight %</u>	<u>Danger Symbol</u>	<u>Risk Phrases</u>
Ethyl methyl ketone	78-93-3	201-159-0	100	F, Xi	11-36-66-67

3. HAZARDS IDENTIFICATION

Potential health effects : Highly flammable.
Irritating to eyes.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.

4. FIRST AID MEASURES

Eyes : In case of contact flush eyes immediately with plenty of water for at least 15 minutes.
Lift eyelids and rinse well underneath them. Get medical attention if irritation persists.
Mouth (ingestion) : Rinse mouth with water several times. Consult a physician and show this Safety Data Sheet.
Lungs (inhalation) : Fresh air and rest. Get medical attention if complaint persists.
Skin : Remove completely with a dry cloth or paper towel, before washing with detergent and water.
Get medical attention if irritation persists.
Clothes : Remove polluted clothing.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : CO₂, powder, foam and water spray.
Unsuitable extinguishing media : Unknown.
Special fire fighting procedures : Wear protective clothing and breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions : Keep away from drains and watercourses.
Clean up procedures : Wipe, scrape or soak up in inert material and put in a container for disposal.
Personal precautions : Wear proper protective equipment as described in the 'eye and skin protection' section of chapter 8.

7. HANDLING AND STORAGE

Handling : Handle in well-ventilated area. Avoid contact with skin, eyes and do not swallow.
Storage : Store in closed packing between 5°C and 25°C away from direct sunlight and other sources of heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit : MAC-TGG (8h) Ethyl methyl ketone (CAS NR: 78-93-3): 590 mg/m³, 200 ppm.
Respiratory protection : Avoid breathing the vapour. Maintain good ventilation.
Eye and skin protection : Avoid contact with skin and eyes. Wear safety glasses.
Industrial hygiene : When using do not eat, drink or smoke. Wash hands after work and before breaks.
Don't rub eyes with dirty hands.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: liquid	Flash point	: -4	°C
Colour	: transparent	Lower explosion limit	: 1,8	vol-%
Odour	: characteristic	Upper explosion limit	: 11,5	vol-%
Density (water=1)	: 0,80	Ignition temperature	: 515	°C
pH (water=7)	: NA	Vapour pressure	: 9500	Pa
Boiling point (water =100)	: 80	Mixable with water	: 25%	(m/m)
Freezing point (water = 0)	: Unk.	Mixable with organic solvents	: Unk.	
		VOC-content	: 100	Weight-%

10. STABILITY AND REACTIVITY

Hazardous decomposition products	: Non known.
Materials to avoid	: Strong oxidizing agents.
Conditions to avoid	: Keep away from sources of ignition.

11. TOXICOLOGICAL INFORMATION

<u>Product information</u>	<u>Ethyl methyl ketone</u>
Acute oral LD50 (mg/kg)	: >2000
Acute dermal LD50 (mg/kg)	: >2000
Acute inhalation LC50 (mg/l)	: >5

Other information: Long or prolonged contact may cause degreasing of the skin which can lead to dermatitis.

For information on hazardous substances see 'chapter' 2.

12. ECOLOGICAL INFORMATION

Avoid uncured product will come in the environment.

Degradability	: good biological degradable.
Ecotoxicity	: LC/EC/IC 50 (fish/algae/bacteria): >1000 mg/l
WGK (Germany)	: Unknown.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local legislation.

14. TRANSPORT INFORMATION

By sea according IMDG-Code	: Class: 3, Packing group: II, EmS: 3-06, Limited Quantity: 1l / 30kg.
By land according ADR	: Class: 3, Classification code: F1, Packing group: II, Limited Quantity: LQ4.
By air according ICAO/IATA-DGR	: Class: 3, Packing group: II.
UN-number	: 1193
Proper shipping name	: Ethyl methyl ketone

15. REGULATORY INFORMATION

To the labelling requirements of EC Directives 67/548/EC and 1999/45/EC:

Danger symbol	: F Highly Flammable, Xi Irritant
Contains	: Ethyl methyl ketone
R-phrases	: 36 Irritating to eyes. 66 Repeated exposure may cause skin dryness or cracking. 67 Vapours may cause drowsiness and dizziness.
S-phrases	: 2 Keep out of reach of children. 9 Keep container in a well-ventilated place. 16 Keep away from sources of ignition – no smoking. 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
For DIY user	: Tactile-warning applicable.

16. OTHER INFORMATION

This product safety data sheet conforms to EC Directive 91/155/EEC as well as its amendments including 2001/58/EC.

This data is offered in good faith as typical values and not as product specifications. No warranty either expressed or implied, is hereby made.

The recommended industrial and safe handling procedures are believed to be generally applicable, each user should review the recommendations in the specific context of the intended use and determine whether they are appropriate.

NA	: Not Applicable
Unk	: Unknown